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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/688,182 | 10/17/2003 | Steven Petrucelli | MSI-300 | 6648 |

7590 07/06/2004
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|---------------------|--------------|
| EXAMINER | |
| JENKINS, JERMAINE L | |
| ART UNIT | PAPER NUMBER |
| 2855 | |

DATE MAILED: 07/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|------------------|--------------------|---|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/688,182 | PETRUCELLI, STEVEN | |
| | Examiner | Art Unit | |
| | Jermaine Jenkins | 2855 |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3, 6-10, 13, 14 & 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Rocco et al (4,748,845).

In regards to claims 1 & 2, Rocco et al teaches a pressure gauge comprising a housing (10) an inlet port (12) for receiving fluid pressure of an object to be measured (Column 1, lines 61-66); a sensor (20) in communication with the inlet port (12) for providing a value of the fluid pressure present at the inlet port (12) (Column 2, lines 30-34); a memory (23, being read as a CPU) for storing the value (Column 2, lines 40-42); and an actuator capable when actuated in a first mode for providing an audible output (28, being read as a audible signal device) indicative of the stored pressure value (Column 3, line 66 – Column 4, line 3).

With respect to claim 3, Rocco et al teaches the actuator comprises a processor (23, being read as a CPU) responsive to an activatable switch (13) for providing the audible output (Column 3, line 66-Column 4, line 12).

With respect to claims 6 & 7, Rocco et al teaches the activatable switch (13) comprising a depressible area formed on the surface of the housing (10) and a single depressible unit (See Figures 1-3).

With respect to claims 8, 9 & 14, Rocco et al teaches memory is capable of storing multiple pressure values indicative of multiple pressure measurements, and wherein the actuator includes means for selectively accessing corresponding ones of the stored measurements, and wherein the means for selectively accessing comprises an input panel on the housing for enabling user input selection (Column 3, lines 39-48).

With respect to claim 10, Rocco et al teaches a housing (10) conforming to the hand of a user (See Figure 1); an inlet port (12) formed on the housing (10) for connecting to an object to receive air pressure of the object for measurement (Column 1, lines 61-66); a sensor (20) contained within the housing and in communication with the inlet port (12) for determining the air pressure value associated with the object (Column 2, lines 30-34), a memory (23) for storing the value (Column 2, lines 40-42); a user activatable area (13, being read as a switch; See Figures 1-3) on the housing (10) for generating a signal to a processor (23) to retrieve the stored value from memory, and the processor (23) operable for providing an audible output (28) indicative of the retrieved value (Column 3, line 66 – Column 4, line 3).

With respect to claim 13, Rocco et al teaches a display (11) formed on the housing (10) for providing a visual display of the measured air pressure (Column 1, lines 54-57).

With respect to claim 17, Rocco et al teaches a housing (10) conforming to the hand of a user (See Figure 1); an inlet port (12) formed on the housing (10) for connecting to an object to receive air pressure of the object for measurement (Column 1, lines 61-66); a sensor (20) contained within the housing and in communication with the inlet port (12) for determining the air pressure value associated with the object (Column 2, lines 30-34), a means responsive to the sensor for storing a parameter indicative of the measured value in memory (Column 2, lines 40-

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42) and for both a visual display and audible utterance of the measured value to a user upon connection with the object (Column 1, lines 54-57 & Column 3, line 66 – Column 4, line 3), and a means formed on the housing (10) and responsive to subsequent user activation for recalling from the memory the last stored value and for outputting the audible utterance of the measure value (Column 3, lines 39-48).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 4, 11, 12 & 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rocco et al (4,748,845) in view of Wu (6,385,554).

With respect to claims 4, 11 & 16, Rocco et al teaches the claimed invention except for a voice processor responsive to a microcontroller and a user activatable area including a voice activatable sensor for causing the processor to retrieve the stored value from memory.

Wu teaches a pressure gauge having a speech processing circuit receiving the stored pressure value from memory (18, being read as a buffer) (Column 3, lines 33-45). It would have been obvious to one of ordinary skill in the art of the time the invention was made to provide a voice processor as taught as Wu in the pressure gauge of Rocco et al for the purpose of audibly reminding the vehicle-user to check whether the tire pressure is normal to ensure safety in driving (Column 2, lines 1-3).

With respect to claim 12, Rocco et al teaches an analog-to-digital converter (22) responsive to the sensor (20) for providing a digital representation of the measured pressure to the microprocessor (Column 2, lines 30-42; See Figure 6).

5. Claims 5 & 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rocco et al (4,748,845) in view of Tsao (5,394,343).

With respect to claims 5 & 15, Rocco et al does not teach wherein the processor comprises a look up table containing a mapping of pressure values to parameters indicative of audible utterances corresponding to said pressure values.

Tsao teaches a pressure gauge comprising the processor (32) having a look up table containing a mapping of pressure values to parameters indicative of audible utterances (142, being read as a buzzer) corresponding to the pressure values (Column 7, lines 29-59; See Table 1). It would have been obvious to one of ordinary skill in the art at the time invention was made to provide a microprocessor having a look up table as taught by Tsao in the pressure gauge of Rocco et al for the purpose of improving the accuracy of the pressure readings and being readily available.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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- U.S. Patent 5,774,048 (Achterholt) – Valve Having Means for Generating a Wireless Transmittable Indicating Signal in Case of a Pressure Drop Within Vehicle Tires

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jermaine Jenkins whose telephone number is 571-272-2179. The examiner can normally be reached on Monday-Friday 8am-430pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Lefkowitz can be reached on 571-272-2180. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jermaine Jenkins
A.U. 2855


EDWARD LEFKOWITZ
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